

TEABF₄ in Propylene carbonate with X ml of 2-Pentanone Addition

Conductivity vs. Volume Fraction

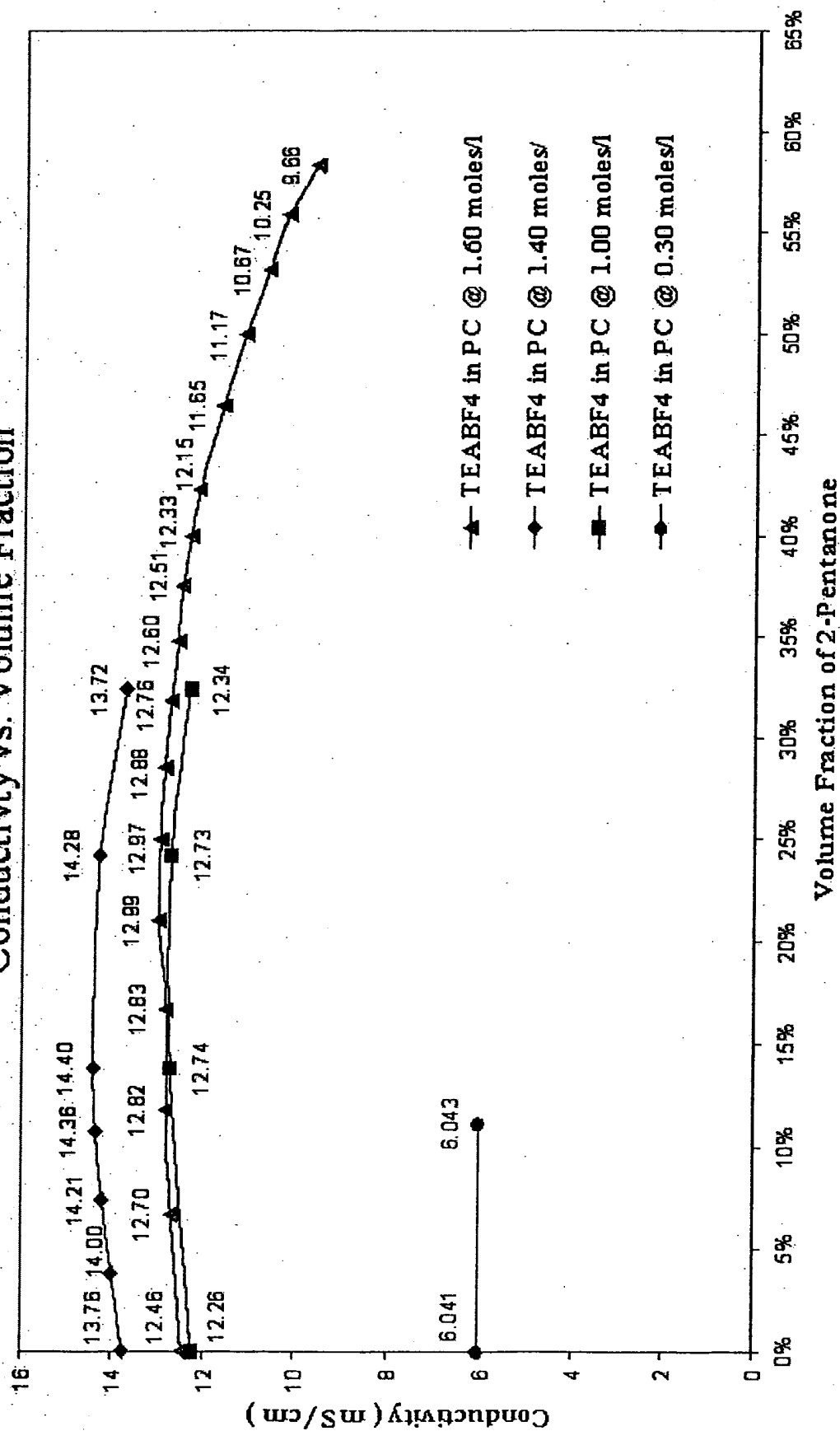


Fig. 1

Cyclic Voltammetry

1.0 mol/l TEABF₄ in Pure Propylene carbonate

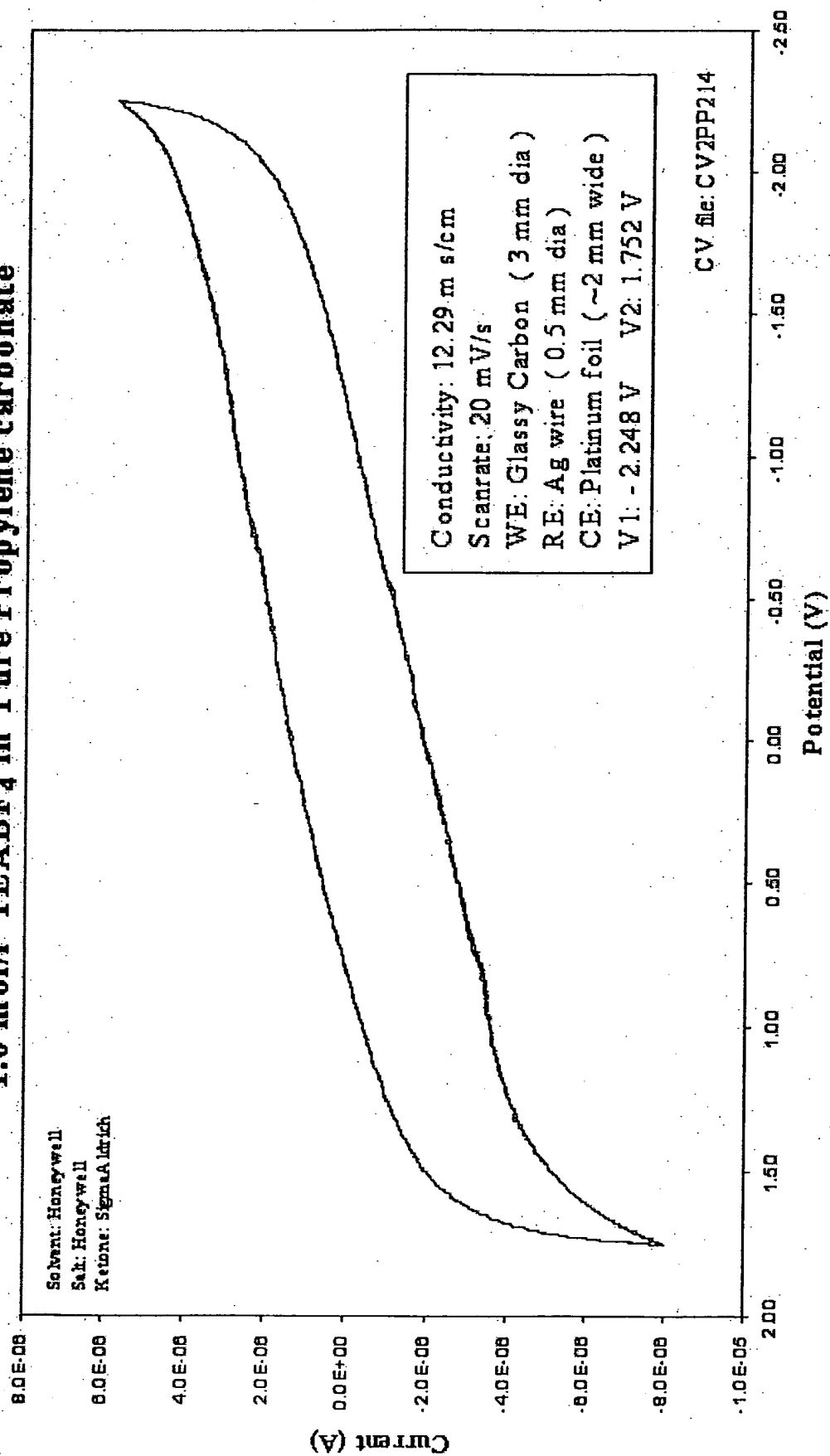


Fig.2

Cyclic Voltammetry

4 ml Addition of 2-Pentanone into 15 ml TEABF₄ / PC 1.0 mol/l

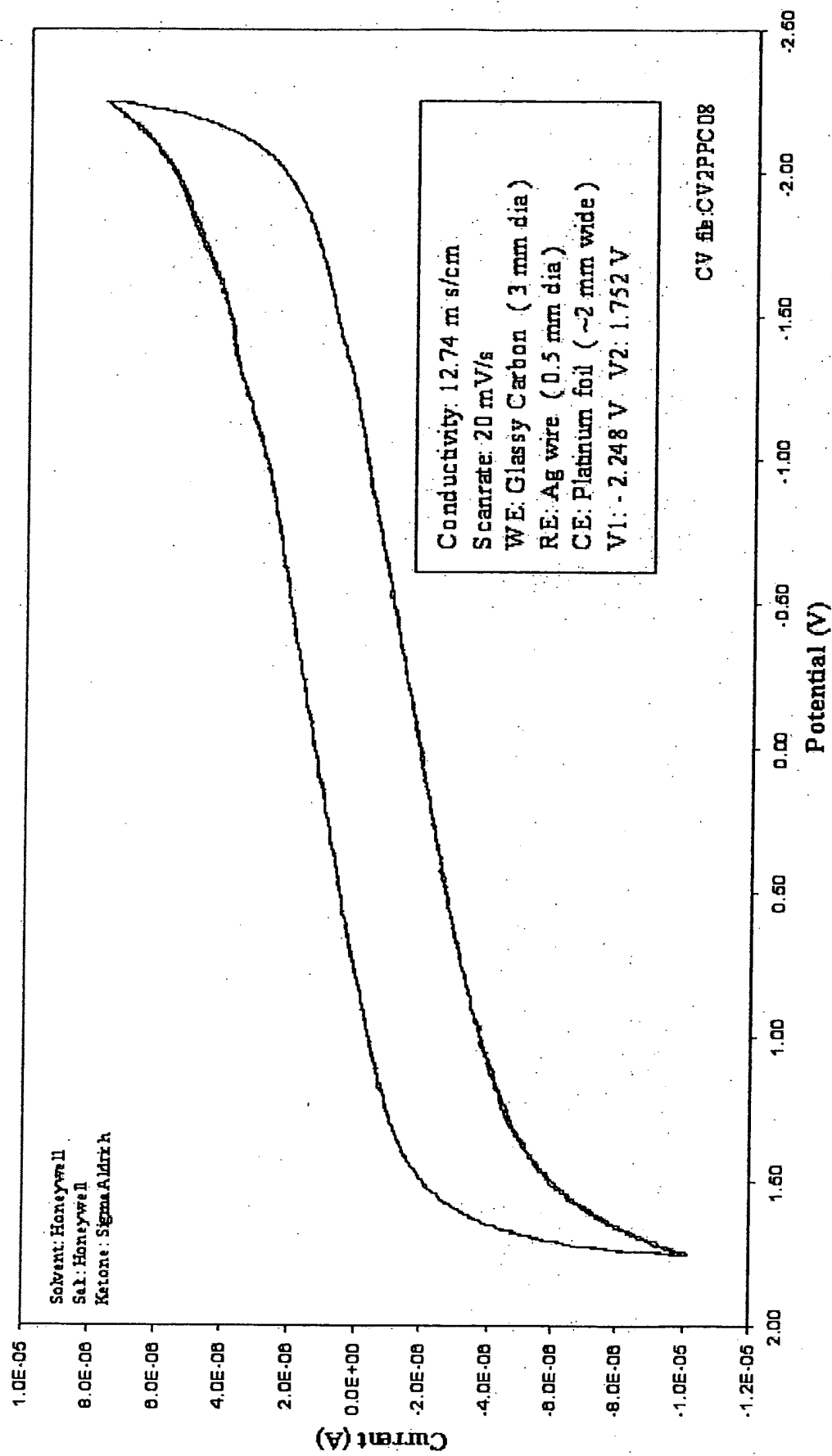


Fig.3 Volume Fraction of 2-Pentanone 13.8 %

Cyclic Voltammetry

4 ml Addition of 2-Pentanone into 25 ml TEABF₄ / PC 1.40 mol/l

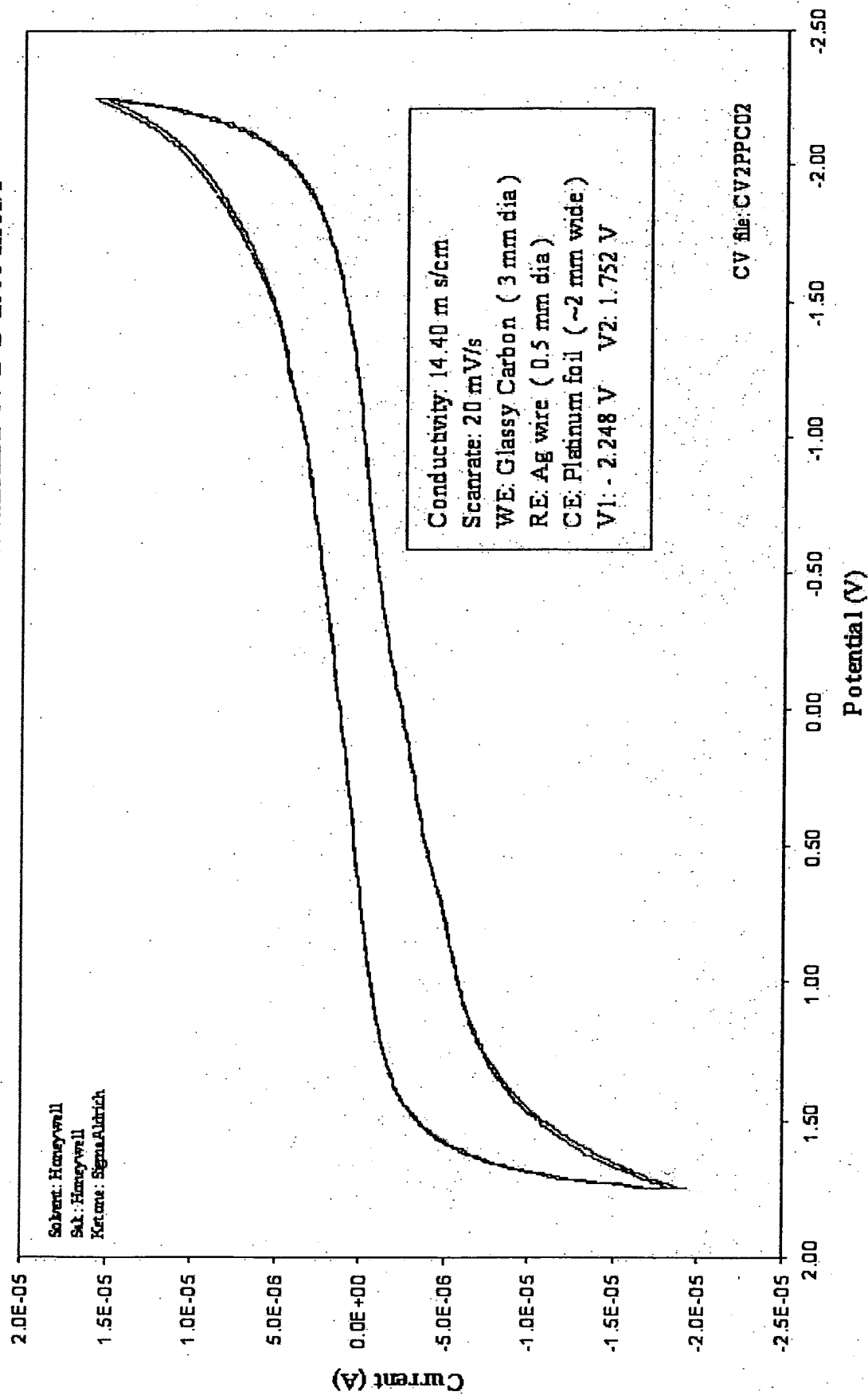


Fig.4 Volume Fraction of 2-Pentanone 13.8 %

Cyclic Voltammetry
5 ml Addition of 2-Pentanone into 15 ml TEABF₄ / PC 1.60 mol/l

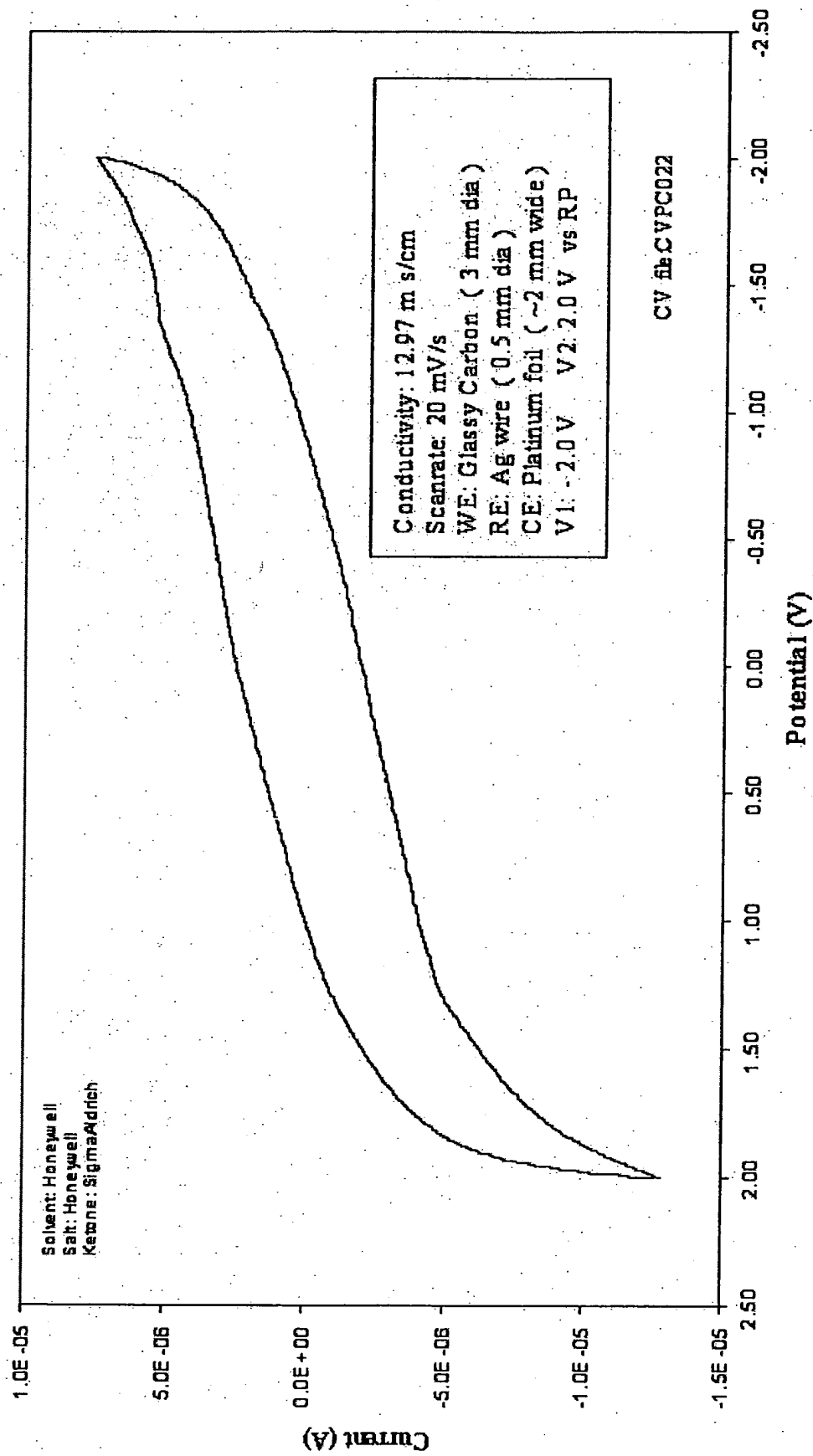


Fig.5 Volume Fraction of 2-Pentanone 25 %

PyHBF₄ in Propylene carbonate with X ml of 2-Pentanone Addition Conductivity vs. Volume Fraction

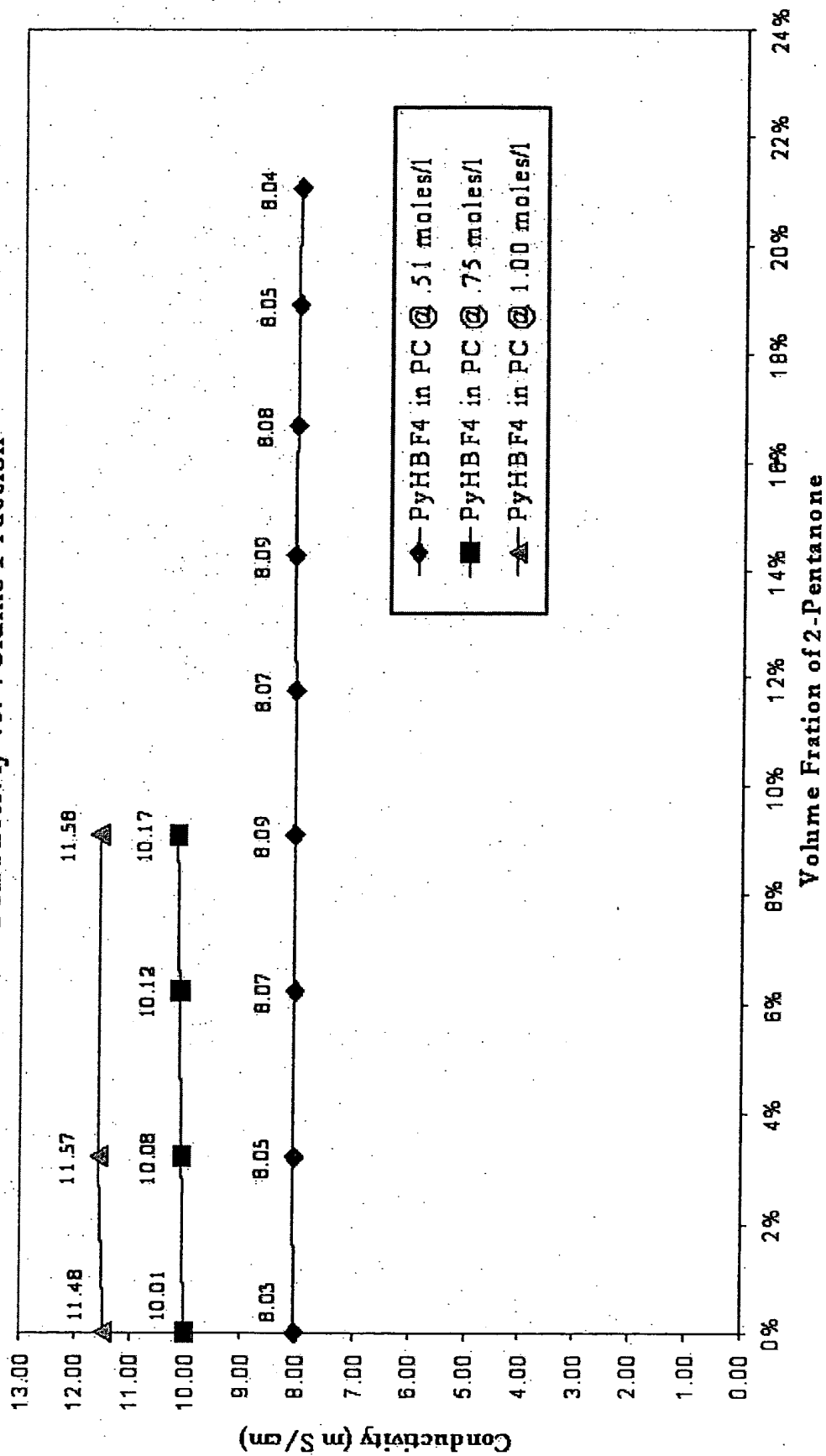


Fig. 6

Cyclic Voltammetry

Pure PyHBF_4 into 30 ml Propylene carbonate 1.0 mol/l

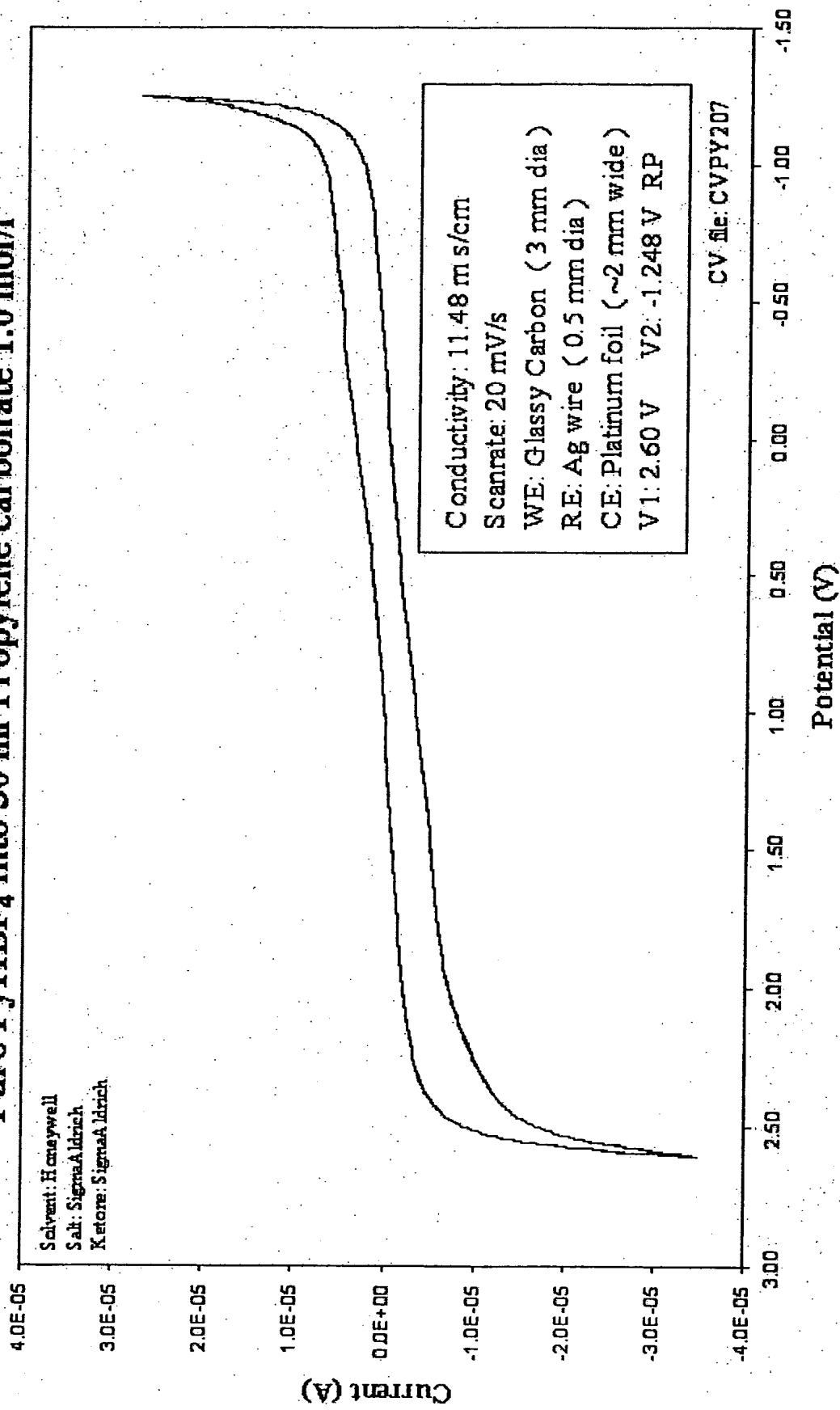


Fig. 7

Cyclic Voltammetry

3 ml Addition of 2-Pentanone into 30 ml PyHBF_4 / PC 1.0 mol/l

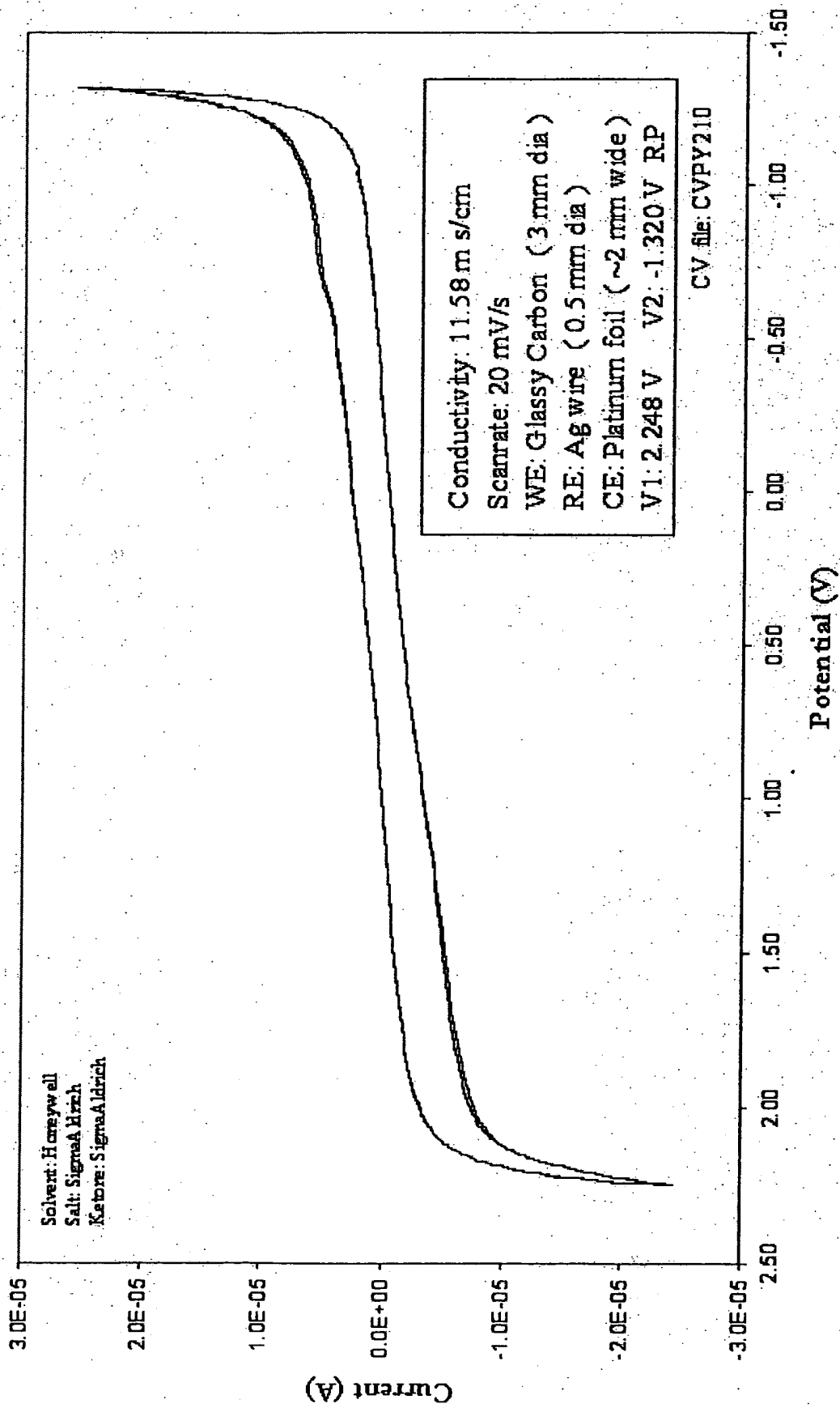


Fig. 8 Volume Fraction of 2-Pentanone 9.1 %

Cyclic Voltammetry

4 mL Addition of 2-Pentanone into 30 ml PyHBF_4 / PC 0.75 mol/l

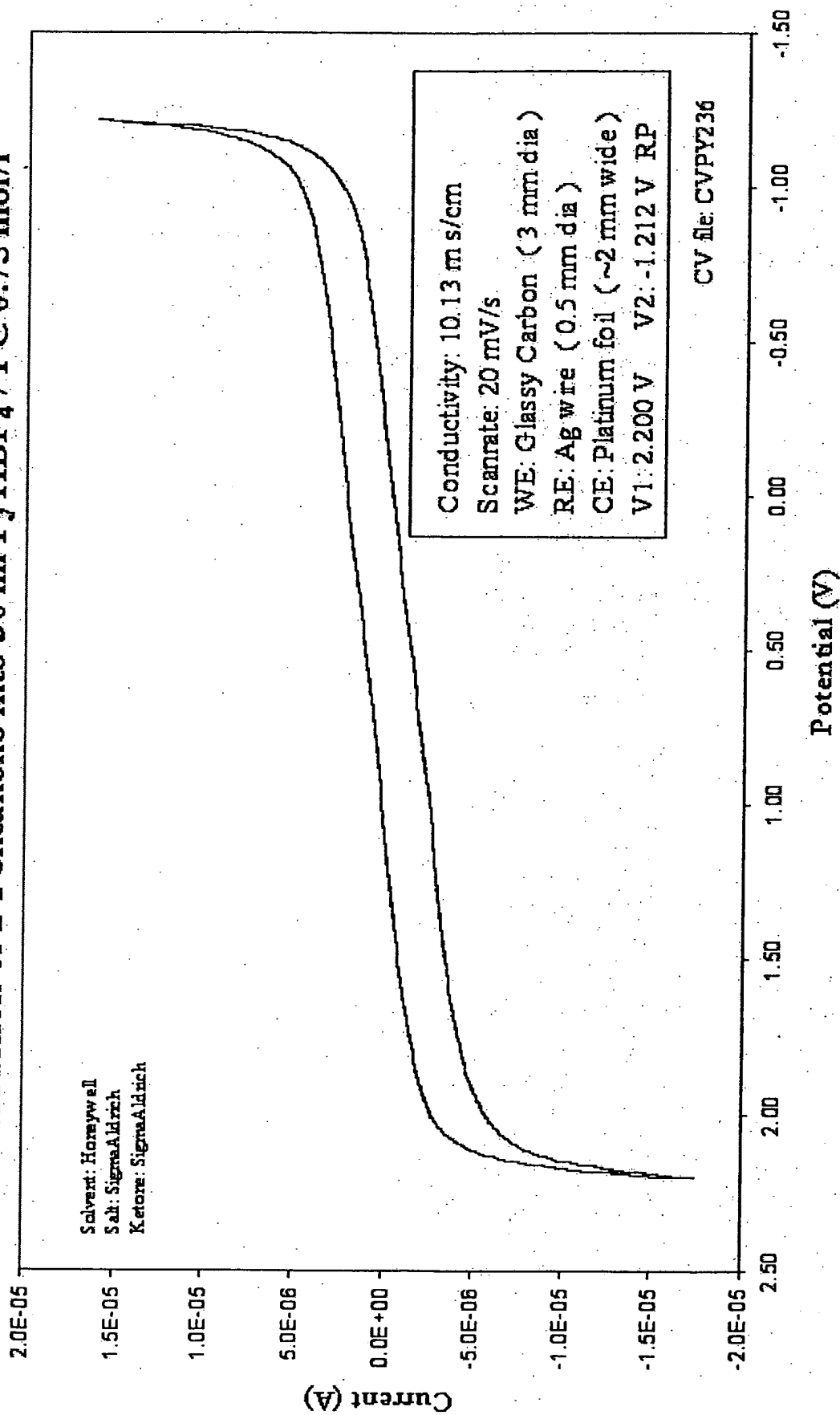


Fig. 9 Volume Fraction of 2-Pentanone 11.8 %

Cyclic Voltammetry

8 ml Addition of 2-Pentanone into 30 ml PyHBF_4 / PC 0.51 mol/l

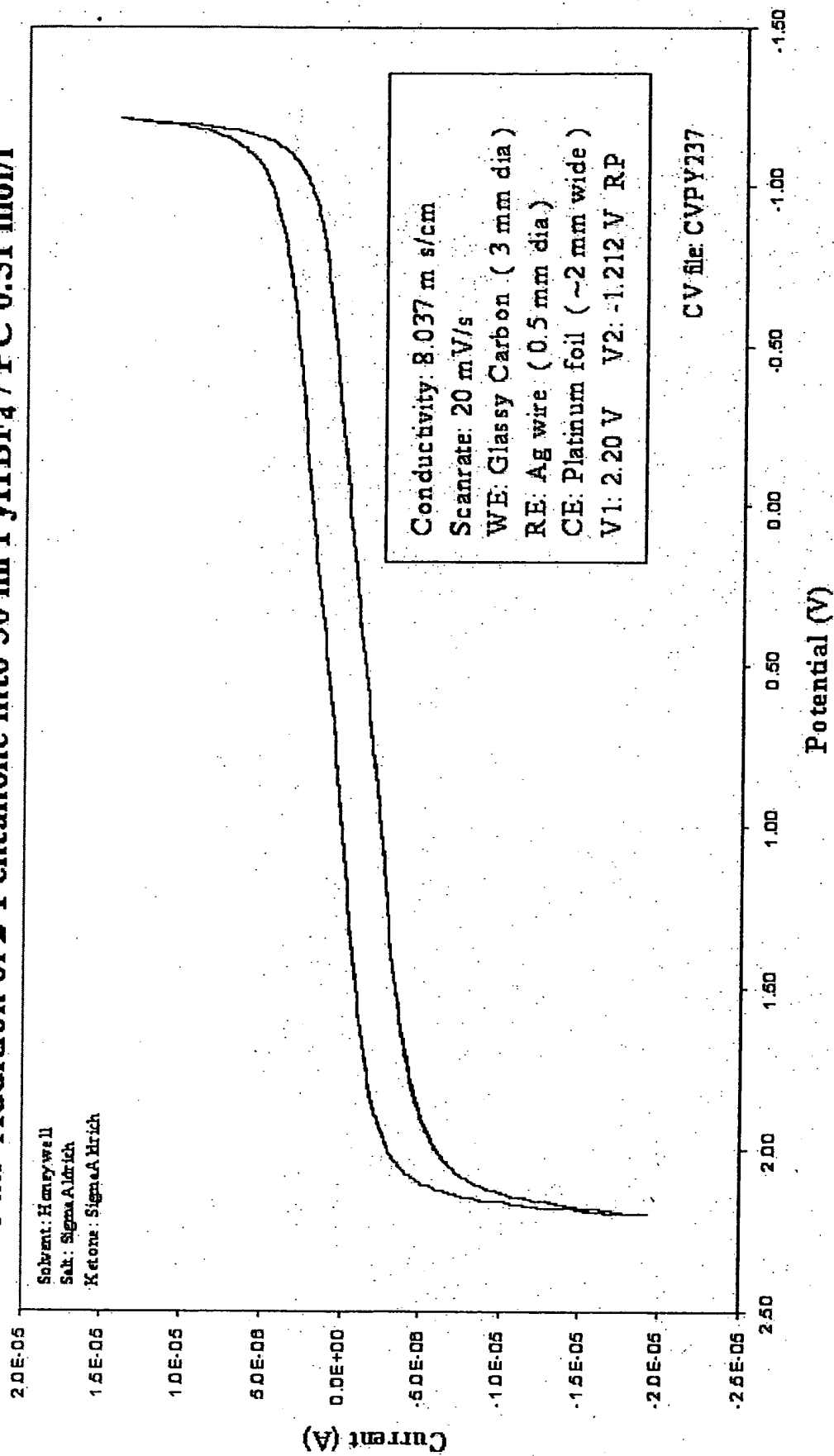
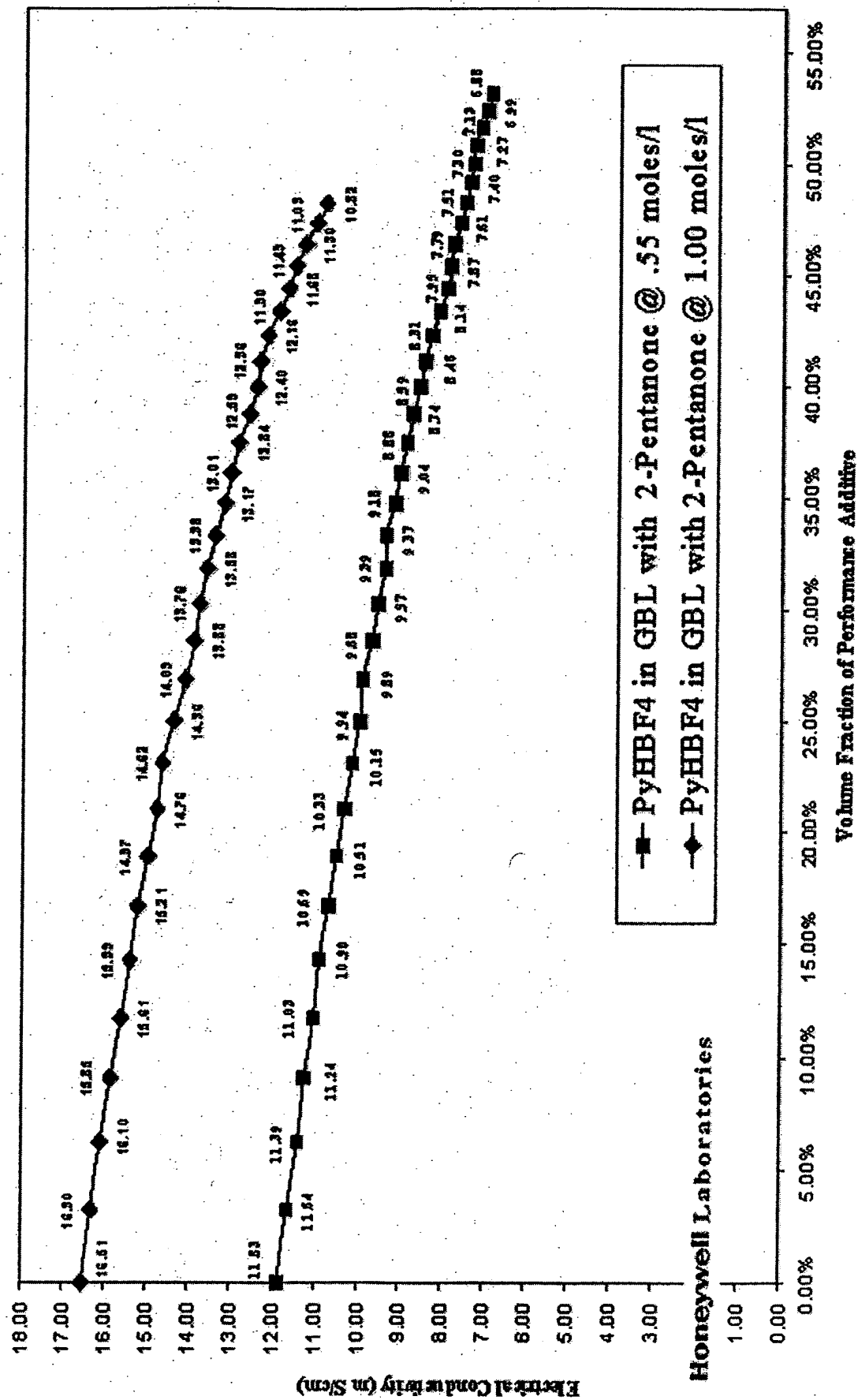


Fig. 10 Volume Fraction of 2-Pentanone 21.1 %

Fig. 11

Conductivity Graph of Pyridinium tetrafluoroborate in Gamma-butyrolactone with 2-Pentanone



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Fig. 12

Cyclic Voltammetry of Mixed Solvent Electrolyte
Electrolyte Composition: PyHBF_4 / γ -Butyrolactone (0.55 mol/l)
with 2-Pentanone (Volume Fraction 37.5%)

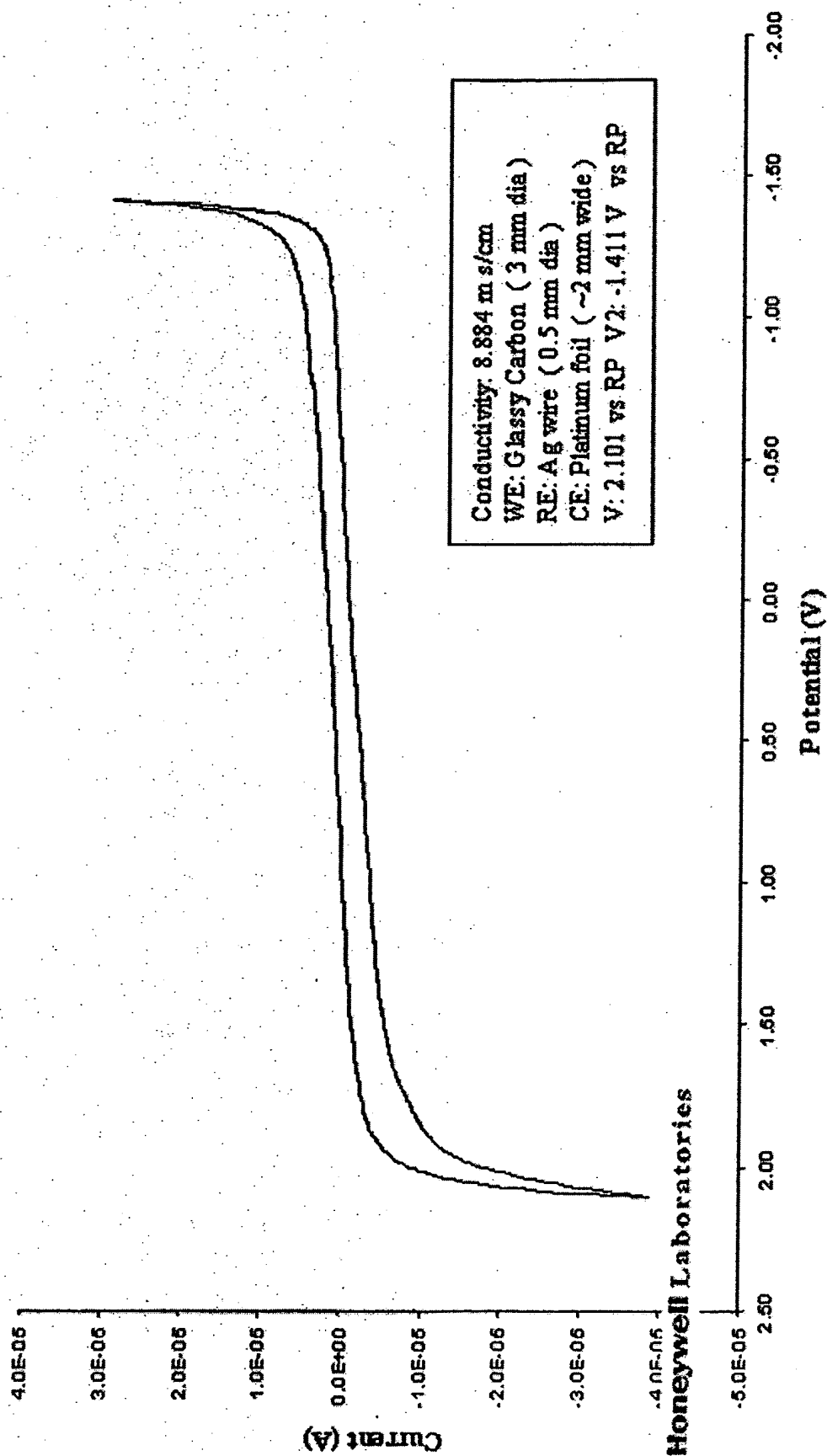


Fig. 13

Cyclic Voltammetry of Mixed Solvent Electrolyte
Electrolyte Composition: PyHBF_4 / γ -butyrolactone (1.0 mol/L)
with 2-Pentanone (Volume Fraction 44.44%)

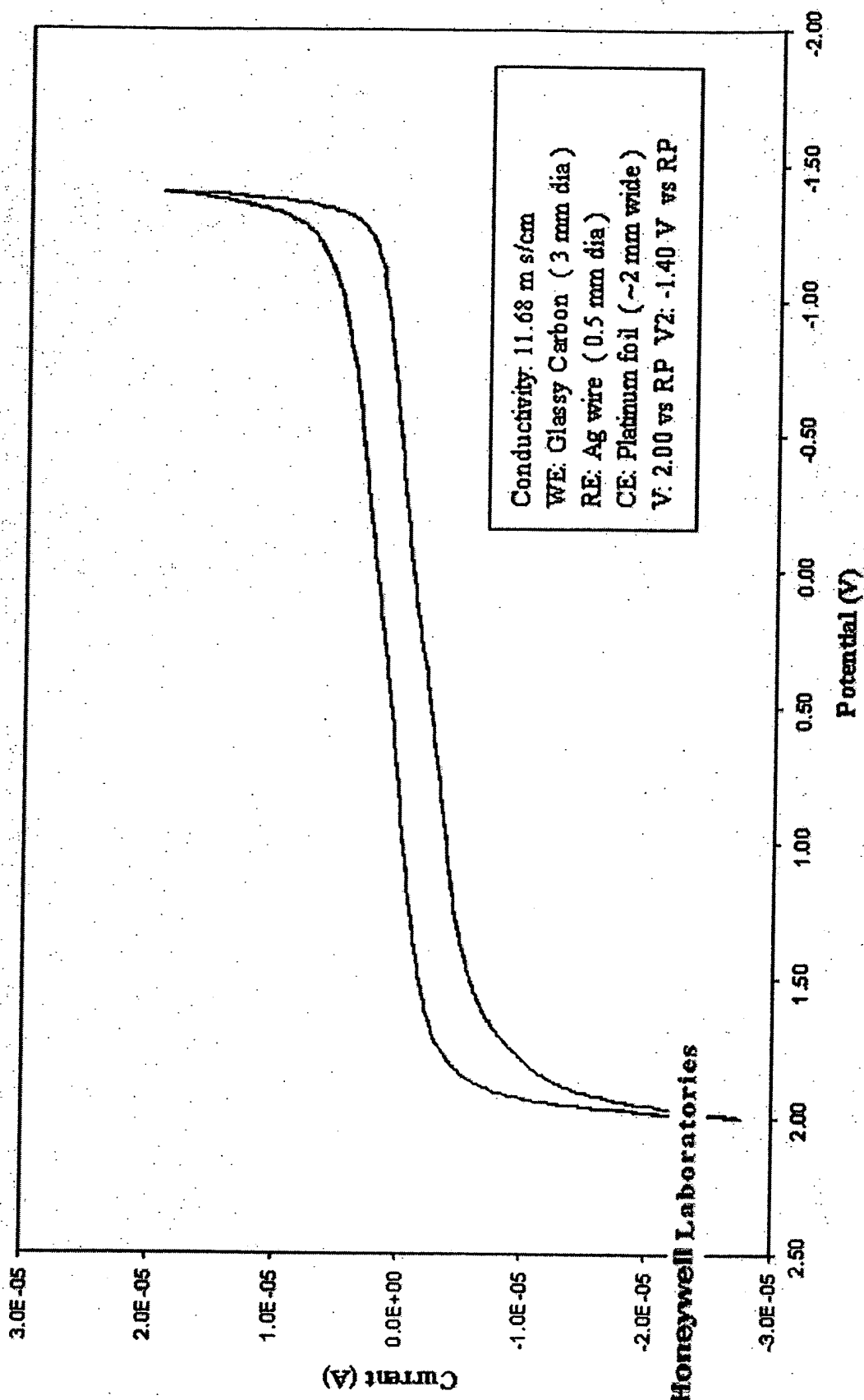


Fig. 14

Conductivity Graph of Tetraethylammonium tetrafluoroborate in Gamma-butyrolactone with 2-pentanone

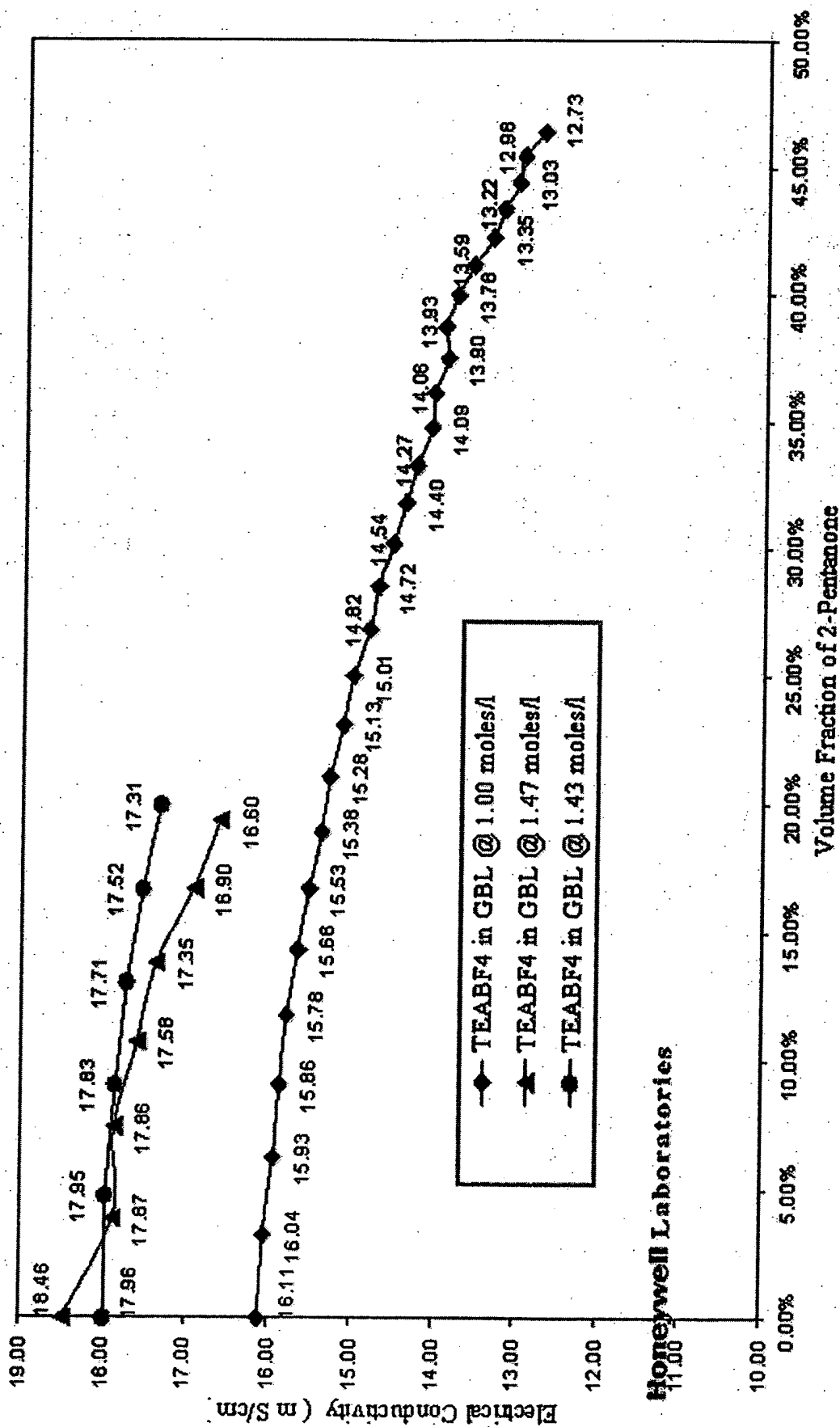
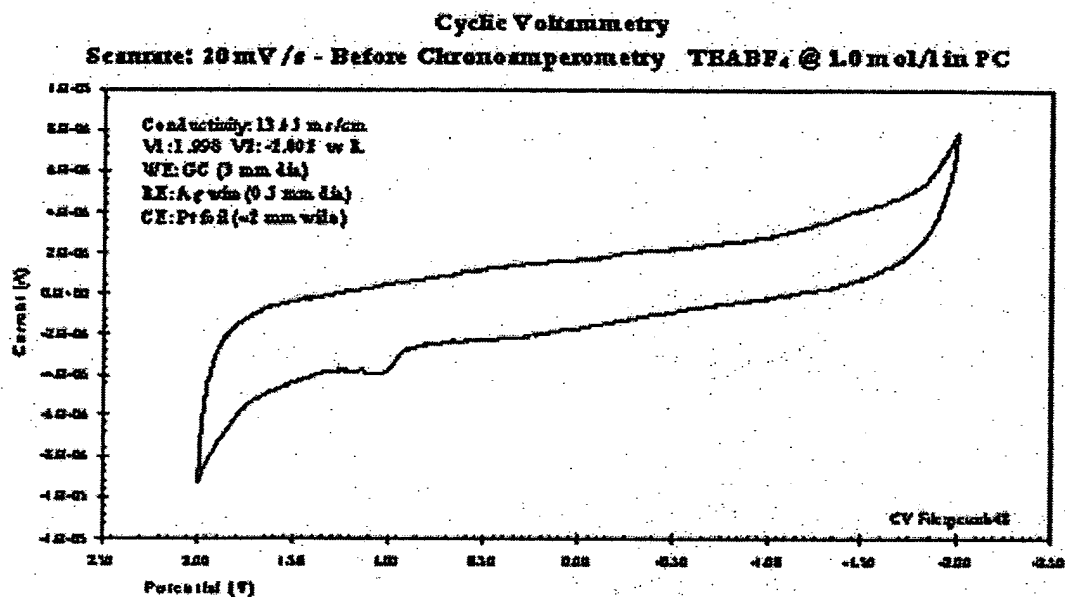
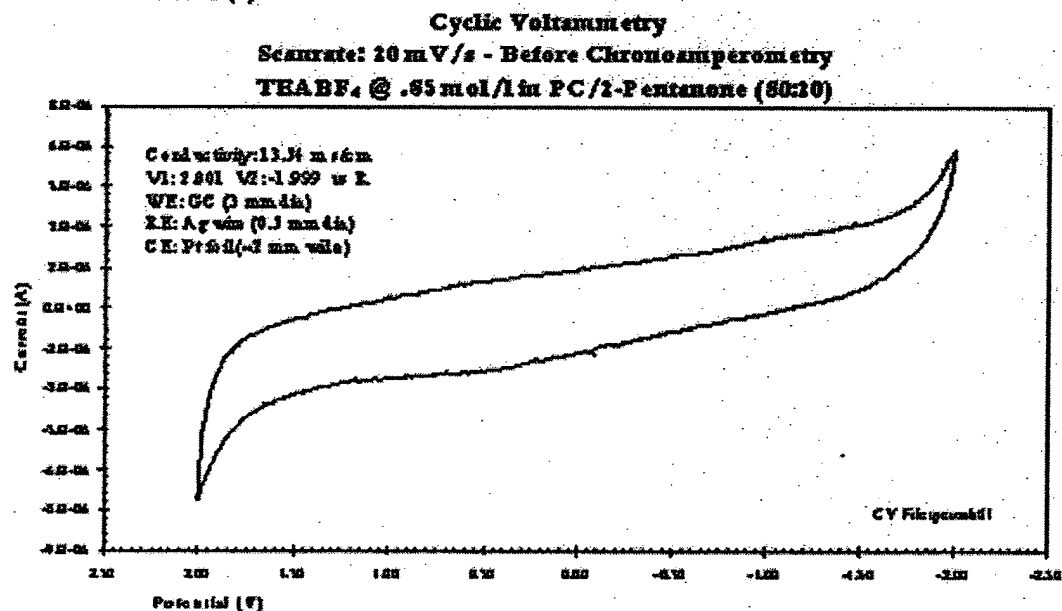


Figure 15

A)



B)



C)

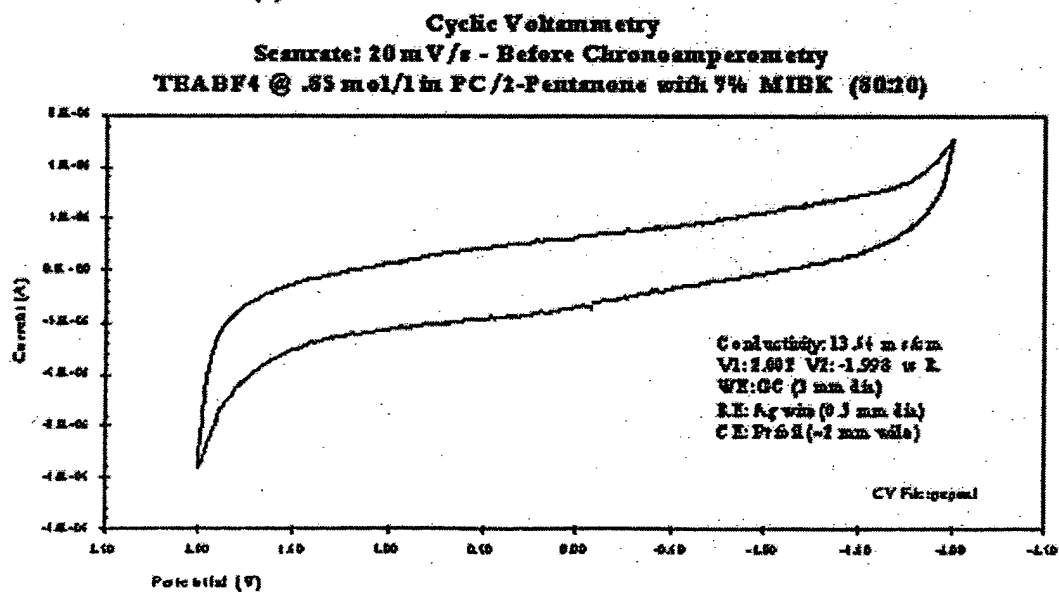
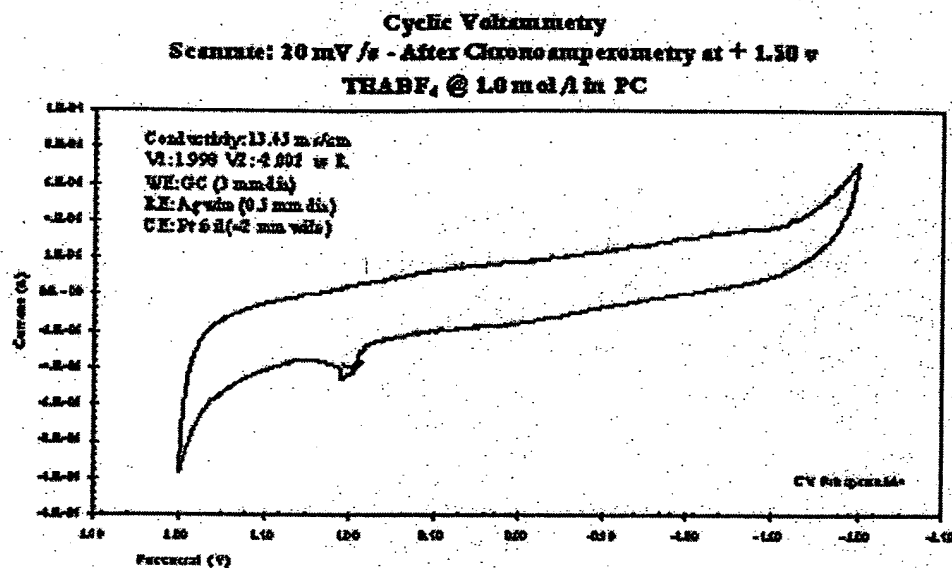
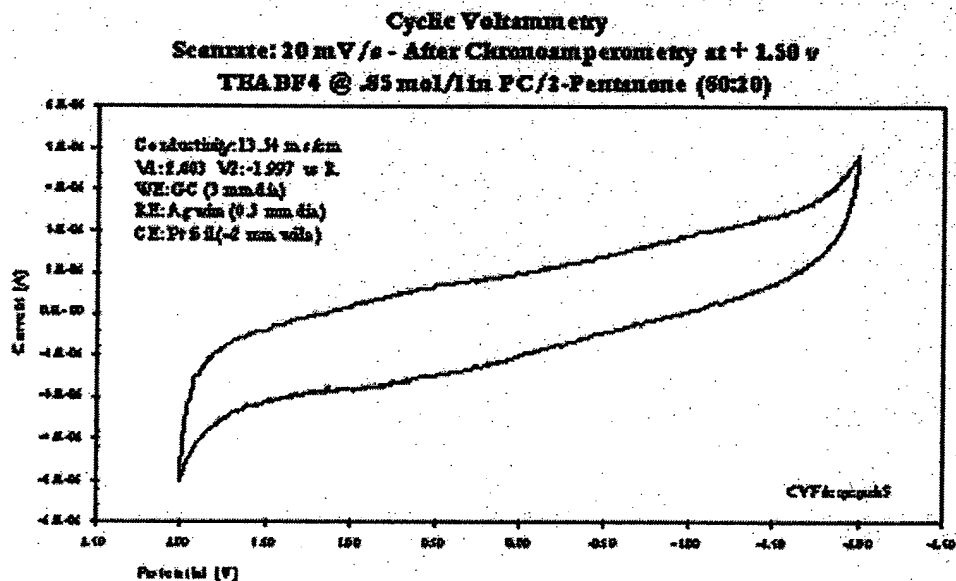


Figure 16

A)



B)



C)

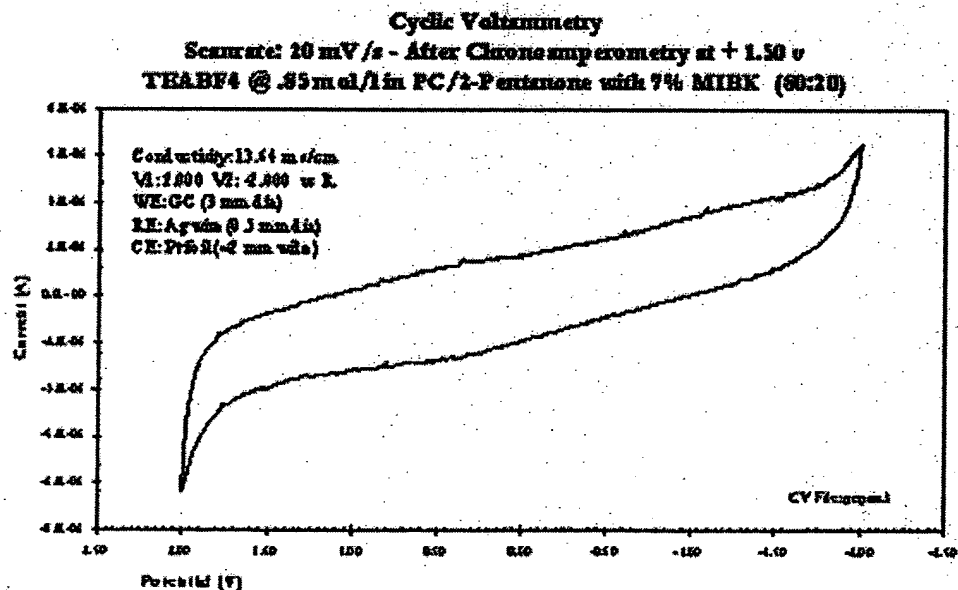
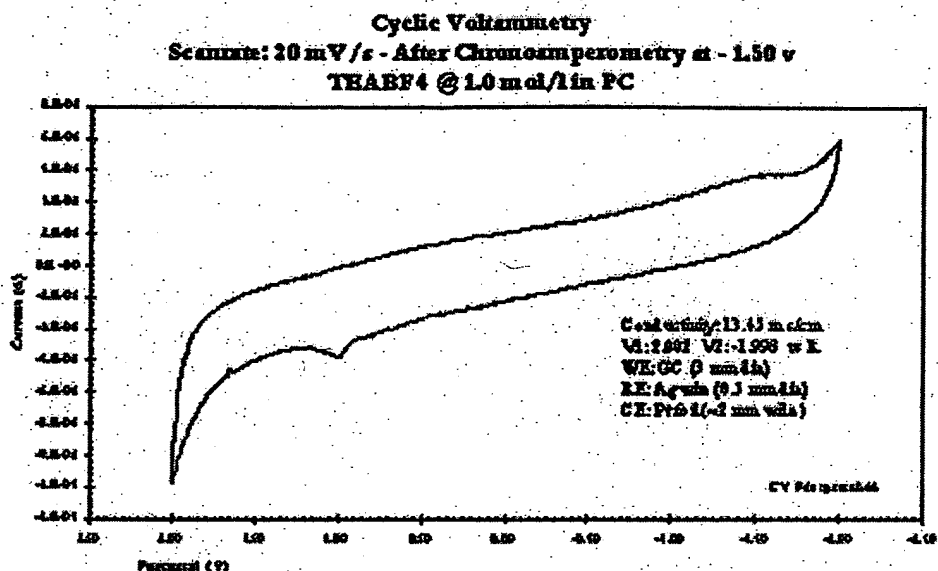
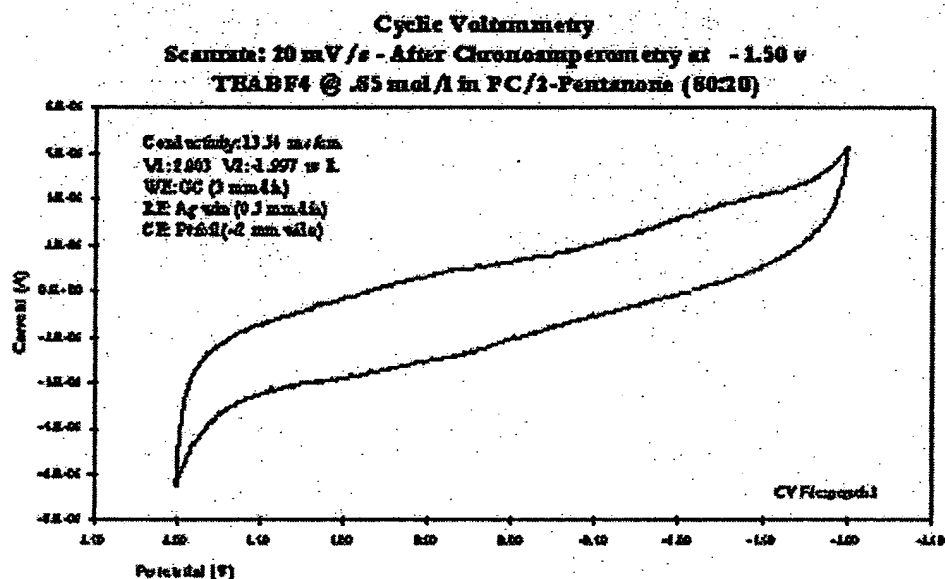


Figure 17

A)



B)



C)

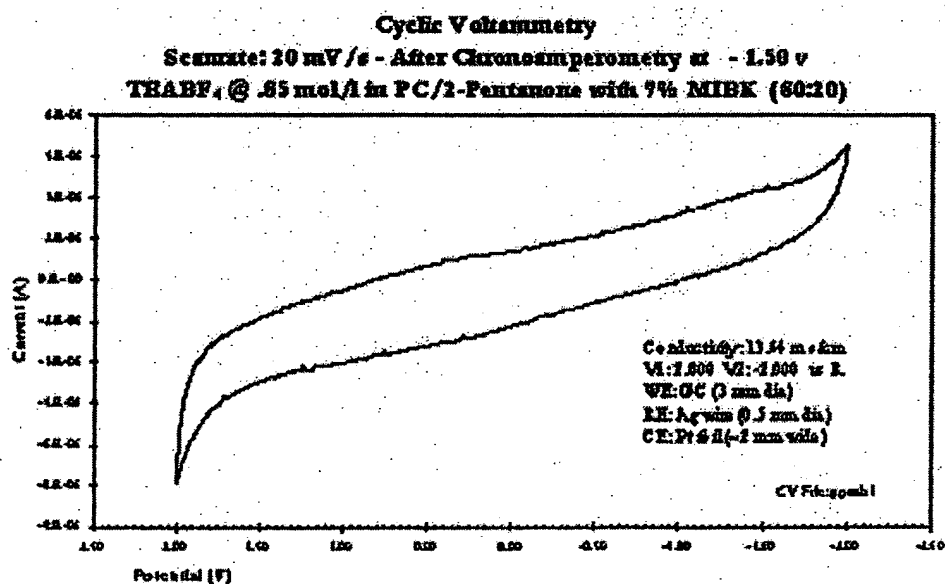


Figure 18

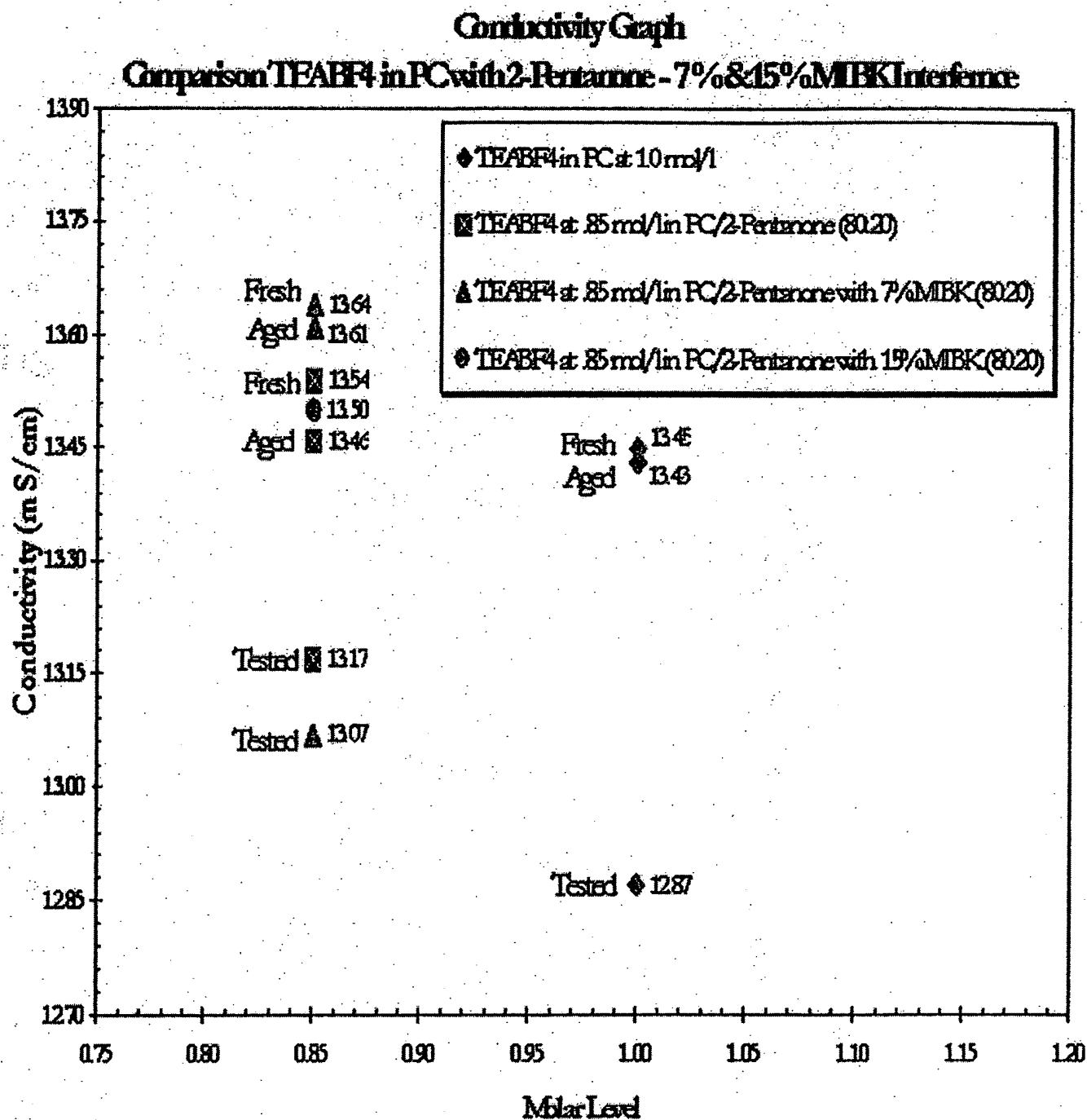


Figure 19

Cyclic Voltammetry

0.75 mol/l TEABF₄ in Propylene carbonate : Methyl isobutyl ketone (90:10)

